Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_

**Section 7.4 – Cellular Transport – Reading Guide**

*Directions: Complete the prompts and fill in any blanks*

**Diffusion**

Define **diffusion.**

Define **concentration.**

**Substances diffuse from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Describe what is occurring in **Figure 7.20**

Describe **dynamic equilibrium.**

Define **facilitated diffusion**

**Osmosis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Define **osmosis**

Which direction does water move in an isotonic solution? Why?

Which direction does water move in a hypotonic solution? Why?

Which direction does water move in a hypertonic solution? Why?

**Active Transport**

Define **active transport**

Describe the function of the Na+/K+ ATPase pump

**Transport of Large Particles**

Define **endocytosis**

Define **endocytosis.**

Why do cells perform exocytosis?

Endocytosis and exocytosis both require what?